User manual

Dishwasher

IDSH451W

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Subject to change without notice.

⚠ Safety instructions

Before the installation and use of the appliance, carefully read the supplied instructions. The manufacturer is not responsible if an incorrect installation and use causes injuries and damages. Always keep the instructions with the appliance for future reference.

Children and vulnerable people safety

⚠ **Warning!** Risk of suffocation, injury or permanent disability.

- Do not let persons, children included, with reduced physical sensory, reduced mental functions or lack of experience and knowledge use the appliance. They must have supervision or instruction for the operation of the appliance by a person who is responsible for their safety.
- Do not let children play with the appliance.
- Keep all packaging away from children.
- Keep all detergents away from children.
- Keep children and pets away from the appliance door when it is open.

Installation

- Remove all the packaging.
- Do not install or use a damaged appliance.
- Do not install or use the appliance where the temperature is less than 0 °C.
- Obey the installation instruction supplied with the appliance.
- Make sure that the appliance is installed below and adjacent to safe structures.

Electrical connection

⚠ **Warning!** Risk of fire and electrical shock.

- The appliance must be earthed.
- Make sure that the electrical information on the rating plate agrees with the power supply. If not, contact an electrician.
- Always use a correctly installed shockproof socket.
- Do not use multi-plug adapters and extension cables.
- Make sure not to cause damage to the mains plug and to the mains cable. Should the appliance power supply cable need to be replaced, this must be carried out by our Service Centre.
- Connect the mains plug to the mains socket only at the end of the installation. Make sure that there is access to the mains plug after the installation.
- Do not pull the mains cable to disconnect the appliance. Always pull the mains plug.
- Do not touch the mains cable or the mains plug with wet hands.
- **Only for UK and Ireland.** The appliance has a 13 amp mains plug. If it is necessary to change the fuse in the mains plug, use a 13 amp ASTA (BS 1362) fuse.
- This appliance complies with the E.E.C. Directives.

Water connection

- Make sure not to cause damage to the water hoses.
- The appliance is to be connected to the water mains using the new supplied hose-sets. Old hose sets must not be reused.
- Before you connect the appliance to new pipes or pipes not used for a long time, let the water flow until it is clean.
- The first time you use the appliance, make sure that there is no leakage.

Use

- This appliance is intended to be used in household and similar applications such as:
  - Staff kitchen areas in shops, offices and other working environments
  - Farm houses
  - By clients in hotels, motels and other residential type environments
  - Bed and breakfast type environments.

⚠ **Warning!** Risk of injury, burns, electrical shock or fire.

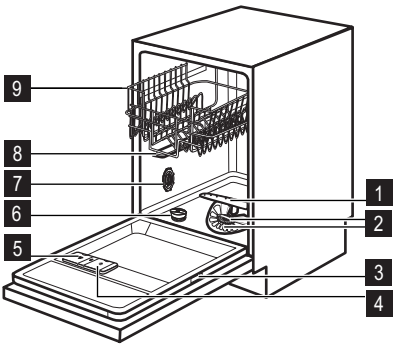
- Do not change the specification of this appliance.
- Put knives and cutlery with sharp points in the cutlery basket with the points down or in a horizontal position.
- Do not keep the appliance door open without supervision to prevent to fall on it.
- Do not sit or stand on the open door.
- Dishwasher detergents are dangerous. Obey the safety instructions on the detergent packaging.
- Do not drink and play with the water in the appliance.
- Do not remove the dishes from the appliance until the programme is completed. There can be detergent on the dishes.
- The appliance can release hot steam if you open the door while a programme operates.
- Do not put flammable products or items that are wet with flammable products in, near or on the appliance.
- Do not use water spray and steam to clean the appliance.

Disposal

⚠ **Warning!** Risk of injury or suffocation.

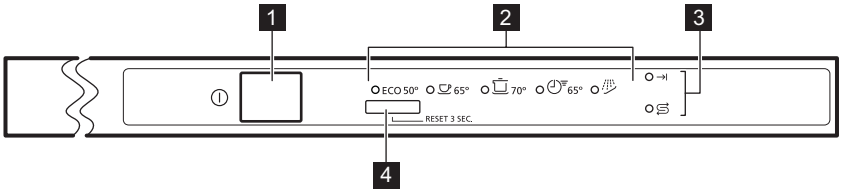
- Disconnect the appliance from the mains supply.
- Cut off the mains cable and discard it.
- Remove the door catch to prevent children and pets to get closed in the appliance.

Product description



1. Lower spray arm
2. Filters
3. Rating plate
4. Rinse aid dispenser
5. Detergent dispenser
6. Salt container
7. Air vent
8. Upper spray arm
9. Upper basket

Control panel



1. On/off button
2. Programme indicators

3 Indicators

4 Programme button.

Indicators	Description
→|	End indicator.
⊆	Salt indicator. This indicator is off while the programme operates.

Programmes

Programme[1)]	Degree of soil Type of load	Programme phases	Duration (min)	Energy (kWh)	Water (l)
ECO 50° [2)]	Normal soil Crockery and cutlery	Prewash Wash 50 °C Rinses Dry	123	0.86	13
65°	Normal soil Crockery and cutlery	Wash 65 °C Rinses Dry	105 - 115	1.6 - 1.9	18 - 20
70°	Heavy soil Crockery, cutlery, pots and pans	Prewash Wash 70 °C Rinses Dry	130 - 140	1.9 - 2.1	18 - 20
65° [3)]	Fresh soil Crockery and cutlery	Wash 65 °C Rinse	30	0.8	9
[4)]	All	Prewash	12	0.1	5

1) The pressure and the temperature of the water, the variations of the mains supply, the options and the quantity of dishes can change the programme duration and the consumption values.
2) With this programme you have the most efficient use of water and energy consumption for crockery and cutlery with normal soil. (This is the standard programme for test institutes).
3) With this programme you can wash a load with fresh soil. It gives good washing results in a short time.
4) Use this programme to quickly rinse the dishes. This prevents the remaining food to bond on the dishes and bad odours to come out from the appliance.
Do not use detergent with this programme.

Information for test institutes
For all the necessary information for test performance. send an email to:
info.test@dishwasher-production.com
Write down the product number (PNC) that is on the rating plate.

Options

Acoustic signals
The acoustic signals operate when the programme is completed and when the appliance has a malfunction.

By default, the acoustic signals are on, but it is possible to deactivate them.

How to deactivate the acoustic signals

1. Press the on/off button to activate the appliance. Make sure that the appliance is in setting mode, refer to “Setting and starting a programme”.
2. Press and hold the programme button until the indicator ECO 50° flashes and the indicator 65° comes on.
3. Press immediately the programme button.
   - The indicator ECO 50° comes on with a fixed light.
   - The indicator 65° starts to flash.
4. Wait until the indicator ECO 50° goes off and the end indicator comes on (the indicator 65° continues to flash).
   - The acoustic signals are on.
5. Press the programme button. The end indicator goes off.
   - The acoustic signals are off.
6. Press the on/off button to deactivate the appliance and to confirm the setting.

How to activate again the acoustic signals

1. Refer to ’How to deactivate the acoustic signals’ and follow the procedure from step (1) to step (5). The end indicator is off.
2. Press the programme button. The end indicator comes on.
   - The acoustic signals are on.
3. Press the on/off button to deactivate the appliance and to confirm the setting.

Before first use

1. Make sure that the set level of the water softener agrees with the water hardness in your area. If not, adjust the water softener. Contact your local water authority to know the water hardness in your area.
2. Fill the salt container.
3. Fill the rinse aid dispenser.
4. Open the water tap.
5. Processing residues can stay in the appliance. Start a programme to remove them. Do not use detergent and do not load the baskets.

Adjusting the water softener

Water hardness				Water softener adjustment
German degrees (°dH)	French degrees (°fH)	mmol/l	Clarke degrees	Level
47 - 50	84 - 90	8.4. - 9.0	58 - 63	10
43 - 46	76 - 83	7.6 - 8.3	53 - 57	9
37 - 42	65 - 75	6.5 - 7.5	46 - 52	8
29 - 36	51 - 64	5.1 - 6.4	36 - 45	7
23 - 28	40 - 50	4.0 - 5.0	28 - 35	6
19 - 22	33 - 39	3.3 - 3.9	23 - 27	5 [1)]
15 - 18	26 - 32	2.6 - 3.2	18 - 22	4
11 - 14	19 - 25	1.9 - 2.5	13 - 17	3
4 - 10	7 - 18	0.7 - 1.8	5 - 12	2

Water hardness				Water softener adjustment
German degrees (°dH)	French degrees (°fH)	mmol/l	Clarke degrees	Level
< 4	< 7	< 0.7	< 5	1[2)]

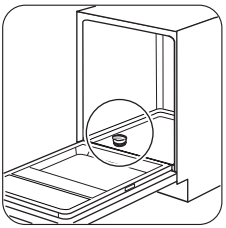
1) Factory position.
2) Do not use salt at this level.

How to adjust the level of the water softener

1. Press the on/off button to activate the appliance. Make sure that the appliance is in setting mode, refer to “Setting and starting a programme”.
2. Press and hold the programme button until the indicator ECO 50° starts to flash and the indicator 65° comes on.
3. Wait until the indicator 65° goes off and the end indicator starts to flash (the indicator ECO 50° continues to flash).
4. Press the programme button.
   - The end indicator flashes intermittently. The number of flashes shows the current level of the water softener, e.g. 5 flashes + pause + 5 flashes = level 5.
5. To adjust the level of the water softener, press the programme button. Each time you press the programme button you go to the next level.
6. Press the on/off button to deactivate the appliance and to confirm the setting.

Filling the salt container

⚠ **Caution!** Water and salt can come out from the salt container when you fill it. Risk of corrosion. To prevent it, after you fill the salt container, start a programme.



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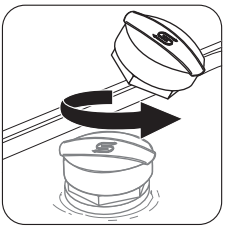

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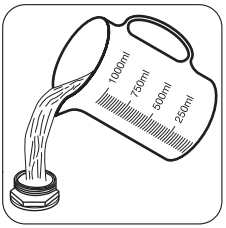

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Put 1 litre of water in the salt container (only for the first time).

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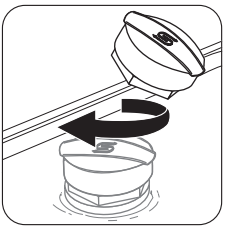

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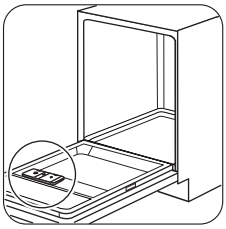
Filling the rinse aid dispenser



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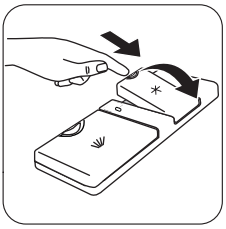

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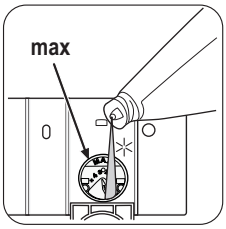

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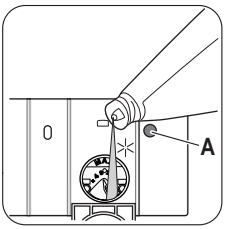
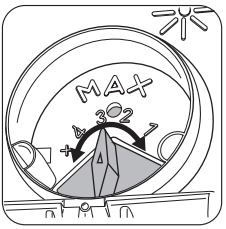


Fill the rinse aid dispenser when the lens (**A**) is clear.

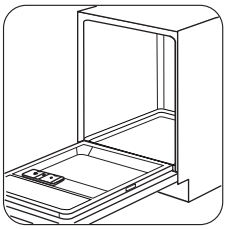


To adjust the released quantity of rinse aid, turn the selector between position 1 (lowest quantity) and position 4 (highest quantity).

Daily use

1. Open the water tap.
2. Press the on/off button to activate the appliance. Make sure that the appliance is in setting mode, refer to 'Setting and starting a programme'.
   - If the salt indicator is on, fill the salt container.
3. Load the baskets.
4. Add the detergent.
5. Set and start the correct programme for the type of load and the degree of soil.

Using the detergent



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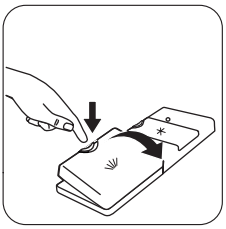

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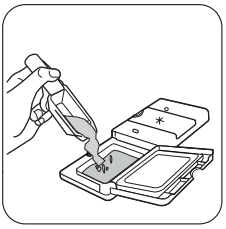

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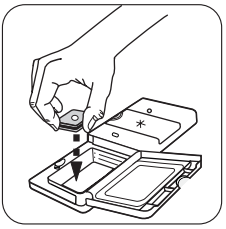

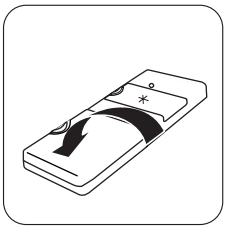

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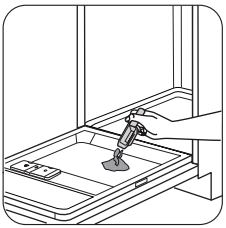

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If the programme has a prewash phase, put a small quantity of detergent on the inner part of the appliance door.

Using the combi detergent tablets

When you use tablets, that contain salt and rinse aid, do not fill the salt container and the rinse aid dispenser.

1. Adjust the water softener to the lowest level.
2. Set the rinse aid dispenser to the lowest position.

If you stop to use the combi detergent tablets, before you start to use separately detergent, rinse aid and dishwasher salt, do these steps:

1. Press the on/off button to activate the appliance.
2. Set the water softener to the highest level.
3. Make sure that the salt container and the rinse aid dispenser are full.
4. Start the shortest programme with a rinsing phase, without detergent and without dishes.
5. Adjust the water softener to the water hardness in your area.
6. Adjust the released quantity of rinse aid.

Setting and starting a programme

Setting mode

For some settings it is necessary that the appliance is in setting mode.
The appliance is in setting mode when all the programme indicators are off and the end indicator flashes.

1. To set the appliance in setting mode, press and hold the programme button until all the programme indicators go off and the end indicator flashes.

Starting a programme

1. Open the water tap.
2. Press the on/off button to activate the appliance. Make sure that the appliance is in setting mode.
3. Press continuously the programme button until the indicator of the programme you want to set comes on.
4. Close the appliance door. The programme starts.

Opening the door while the appliance operates

If you open the door, the appliance stops. When you close the door, the appliance continues from the point of interruption.

Cancelling the programme

1. Open the appliance door.
2. Press and hold the programme button until the indicator of the set programme goes off and the end indicator flashes.

Make sure that there is detergent in the detergent dispenser before you start a new programme.

At the end of the programme

When the programme is completed, an intermittent acoustic signal operates and the end indicator is on.

1. Press the on/off button to deactivate the appliance.
2. Close the water tap.

Important

- Let the dishes become cold before you remove them from the appliance. Hot dishes can be easily damaged.
- First remove the items from the lower basket, then from the upper basket.
- There can be water on the sides and on the door of the appliance. Stainless steel becomes cool more quickly than the dishes.

Hints and tips

The water softener

Hard water contains a high quantity of minerals that can cause damage to the appliance and bad washing results. The water softener neutralises these minerals.

The dishwasher salt keeps the water softener clean and in good conditions. It is important to set the right level of the water softener. This makes sure that the water soft-

ener uses the correct quantity of dishwasher salt and water.

Using salt, rinse aid and detergent

- Only use salt, rinse aid and detergent for dishwasher. Other products can cause damage to the appliance.
- The rinse aid helps, during the last rinsing phase, to dry the dishes without streaks and stains.
- Combi detergent tablets contain detergent, rinse aid and other added agents. Be sure that these tablets are applicable to the water hardness in your area. Refer to the instructions on the packaging of the products.
- Detergent tablets do not fully dissolve with short programmes. To prevent detergent residues on the tableware, we recommend that you use the tablets with long programmes.

Do not use more than the correct quantity of detergent. Refer to the instructions on the detergent packaging.

Loading the baskets

Refer to the supplied leaflet with examples of the load of the baskets.

- Only use the appliance to wash items that are dishwasher-safe.
- Do not put in the appliance items made of wood, horn, aluminium, pewter and copper.
- Do not put in the appliance items that can absorb water (sponges, household cloths).
- Remove remaining food from the items.
- To remove easily remaining burned food, soak pots and pans in water before you put them in the appliance.
- Put hollow items (cups, glasses and pans) with the opening down.
- Make sure that cutlery and dishes do not bond together. Mix spoons with other cutlery.
- Make sure that glasses do not touch other glasses.
- Put the small items in the cutlery basket.
- Put the light items in the upper basket. Make sure that they do not move.
- Make sure that the spray arms can move freely before you start a programme.

Before starting a programme

Make sure that:

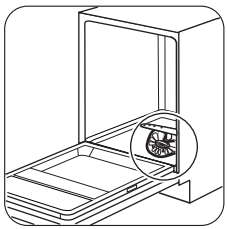
- The filters are clean and correctly installed.
- The spray arms are not clogged.
- The position of the items in the baskets is correct.
- The programme is applicable for the type of load and for the degree of soil.
- The correct quantity of detergent is used.
- There is dishwasher salt and rinse aid (unless you use combi detergent tablets).
- The cap of the salt container is tight.

Care and cleaning

Warning! Before maintenance, deactivate the appliance and disconnect the mains plug from the mains socket.

Dirty filters and clogged spray arms decrease the washing results.
Make a check regularly and, if necessary, clean them.

Cleaning the filters



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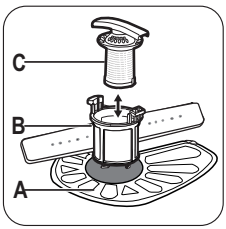

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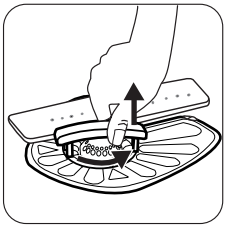

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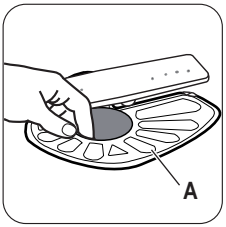
To remove filters (**B**) and (**C**), turn the handle counterclockwise and remove. Pull apart filter (**B**) and (**C**). Wash the filters with water.



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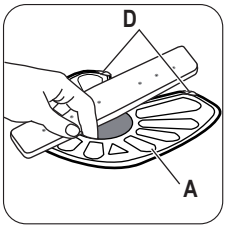
Remove filter (**A**). Wash the filter with water.



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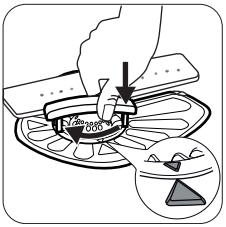
Before you put the filter (**A**) back, make sure that there are no residues of food or soil in or around the edge of the sump. Make sure that filter (**A**) is correctly positioned under the 2 guides (**D**).



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Assemble filters (**B**) and (**C**). Put them back in filter (**A**). Turn the handle clockwise until it locks.

An incorrect position of the filters can cause bad washing results and damage to the appliance.

Cleaning the spray arms

Do not remove the spray arms.
If the holes in the spray arms are clogged, remove remaining parts of soil with a thin pointed object.

External cleaning

Clean the appliance with a moist soft cloth.
Only use neutral detergents. Do not use abrasive products, abrasive cleaning pads or solvents.

Internal cleaning

If you regularly use short duration programmes, these can leave deposits of grease and limescale inside the appliance.
To prevent this, we recommend to run long duration programmes at least 2 times per month.

Troubleshooting

The appliance does not start or it stops during operation.
Before you contact the Service, refer to the information that follows for a solution to the problem.

With some problems, different indicators flash continuously or intermittently at the same time to show an alarm code.

Alarm code	Problem
• The indicator of the set programme flashes continuously. • The end indicator flashes 1 time intermittently.	The appliance does not fill with water.

Alarm code	Problem
• The indicator of the set programme flashes continuously. • The end indicator flashes 2 times intermittently.	The appliance does not drain the water.
• The indicator of the set programme flashes continuously. • The end indicator flashes 3 times intermittently.	The anti-flood device is on.

⚠ **Warning!** Deactivate the appliance before you do the checks.

Problem	Possible solution
You cannot activate the appliance.	Make sure that the mains plug is connected to the mains socket.
	Make sure that there is not a damaged fuse in the fuse box.
The programme does not start.	Make sure that the appliance door is closed.
The appliance does not fill with water.	Make sure that the water tap is open.
	Make sure that the pressure of the water supply is not too low. For this information, contact your local water authority.
	Make sure that the water tap is not clogged.
	Make sure that the filter in the inlet hose is not clogged.
	Make sure that the inlet hose has no kinks or bends.
The appliance does not drain the water.	Make sure that the sink spigot is not clogged.
	Make sure that the drain hose has no kinks or bends.
The anti-flood device is on.	Close the water tap and contact the Service.

After the checks are completed, activate the appliance. The programme continues from the point of interruption. If the problem occurs again, contact the Service. If other alarm codes appear, contact the Service.

If the washing and drying results are not satisfactory

Whitish streaks or bluish layers on glasses and dishes

- The released quantity of rinse aid is too much. Adjust the rinse aid selector to a lower position.
- The quantity of detergent is too much.

Stains and dry water drops on glasses and dishes

- The released quantity of rinse aid is not sufficient. Adjust the rinse aid selector to a higher position.
- The quality of the detergent can be the cause.

Dishes are wet

- The programme is without a drying phase or with a low temperature drying phase.
- The rinse aid dispenser is empty.
- The quality of the rinse aid can be the cause.

ⓘ Refer to ‘HINTS AND TIPS’ for other possible causes.

Technical information

Dimensions	Width / Height / Depth (mm)	446 / 818 - 898 / 550
Electrical connection	Refer to the rating plate.	
	Voltage	220-240 V
	Frequency	50 Hz
Water supply pressure	Min. / max. (bar / MPa)	(0.5 / 0.05) / (8 / 0.8)
Water supply [1)]	Cold water or hot water[2)]	max. 60 °C
Capacity	Place settings	9
Power consumption	Left-on mode	0.99 W
	Off-mode	0.10 W

1) Connect the water inlet hose to a water tap with a 3/4" thread.

2) If the hot water comes from alternative sources of energy, (e.g. solar panels, aeolian energy), use the hot water supply to decrease energy consumption.

Environment concerns

Recycle the materials with the symbol ♺ . Put the packaging in applicable containers to recycle it.
Help protect the environment and human health and to recycle waste of electrical and electronic appliances. Do not dispose appliances marked with the symbol with the household waste. Return the product to your local recycling facility or contact your municipal office.

- Discard correctly the packaging material. Recycle the materials with the symbol ♺ .

GB GREAT BRITAIN – Customer Care and Service

Standard Guarantee Conditions and Exclusions. All our products come with 12 month warranty. To see our guarantee conditions and exclusions please visit our Customer Care Department www.benchmarxjoinery.co.uk.

Service and Spare Parts. Service is provided by Electrolux Major Appliances as authorised service partner network. Please contact your local Service Centre on; 08445 616616 (Your call will automatically be routed to your local centre). Please ensure you read all information under 'Troubleshooting' in your instruction booklet before contacting us for service. Servicing and/or installation of your product should be carried out by a suitably qualified engineer. In the user manual you will find some useful information on how to deal with minor faults and how to take care of your product. When contacting us for Service please ensure that you have proof of purchase and the following information available:

Model No . . . . . .

Product No . . . . . .

Serial No . . . . . .

Date of Purchase . . . . . .

Customer Care: Please contact Electrolux Major Appliances, Addington Way, Luton, Bedfordshire, LU4 9QQ

Contact No: 08445 613613